

## STATEMENT OF BASIS

as per LAC 33:IX.3111, for Louisiana Pollutant Discharge Elimination System Permit No. LA0076660; AI12389; PER20060002 to discharge to waters of the State of Louisiana as per LAC 33:IX.3111.

The permitting authority for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

Louisiana Department of Environmental Quality  
Office of Environmental Services  
P. O. Box 4313  
Baton Rouge, Louisiana 70821-4313

I. THE APPLICANT IS: Jefferson Davis Parish Sanitary Landfill Commission  
Jefferson Davis Parish Sanitary Landfill  
Route 3, Box 291  
Welsh, LA 70591

II. PREPARED BY: Angela W. Marse

DATE PREPARED: March 27, 2006

III. PERMIT ACTION: LPDES permit LA0076660, AI12389; PER20060002

LPDES permit issued: June 1, 2005  
LPDES permit expired: May 31, 2010

IV. **MODIFICATIONS TO THE PERMIT:**

1. Outfall 003, for the discharge of non-contact stormwater runoff from a closed, capped area of the landfill, has been added to the permit. Effluent limits are the same as those for outfall 002 and 004.
2. Part II, Section D. Whole Effluent Toxicity, Number 4. Reporting (page 22 of 26), requires the permittee to submit a copy of biomonitoring reports to the U.S. Environmental Protection Agency. This is an error. Enforcement authority was not retained by EPA. Therefore, the permittee is not required to submit a copy of the report to EPA.
3. Also, the facility's AI number has changed from 18935 to 12389.

V. **FACILITY INFORMATION:**

A. The application is for the discharge non-contact stormwater from a new outfall at a municipal solid waste landfill serving southwest Louisiana.

B. The facility is located on Parish Road 6-19 in Welsh, Jefferson Davis Parish.

C. There is no treatment for non-contact stormwater. The facility will incorporate the new discharge outfall into their Stormwater Pollution Prevention Plan .

D. **Outfall 003**

Discharge Location: Latitude 30°16'06"North  
Longitude 92°51'51" West

Description: non-contact stormwater

Design Capacity: 4.6 MGD

Type of Flow Measurement which the facility is currently using: stormwater calculation

**VI. RECEIVING WATERS:**

The discharge is into an unnamed ditch, thence into Bayou Lacassine in segment 050601 of the Mermentau River Basin. This is the same discharge route as that of outfalls in the permit. This segment is listed on the 303(d) list of impaired waterbodies.

The designated uses and degree of support for Segment 050601 of the Mermentau River Basin are as indicated in the table below<sup>1/</sup>:

Overall Degree of Support for Segment	Degree of Support of Each Use						
Fully	Primary Contact Recreation	Secondary Contact Recreation	Propagation of Fish & Wildlife	Outstanding Natural Resource Water	Drinking Water Supply	Shell fish Propagation	Agriculture
	Fully Supporting	Fully Supporting	Not Supporting	N/A	N/A	N/A	Fully Supporting

<sup>1/</sup>The designated uses and degree of support for Segment 050601 of the Mermentau River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2000, 2002, 2004 Water Quality Management Plan, Volume 5, Part B, Water Quality Inventory, respectively.

Section 303(d) of the Federal Clean Water Act requires states to identify waterbodies that are not meeting water quality standards and to develop total maximum daily pollutant loads for those waterbodies. A pollutant is any substance introduced into the waters of the state by any means that would tend to degrade or impair the chemical, physical, biological, or radiological integrity of such environment. Segment 050601 of the Mermentau River Basin is on the 303(d) list of impaired waters. The suspected causes of impairment were phosphorus, lead, suspended solids, turbidity, nitrogen, and organic enrichment/low DO. Section 303(d) of the Federal Clean Water Act further requires that states develop TMDL management plans for waterbodies determined to be water quality limited. TMDL studies for the Mermentau River Basin are complete. Phosphorus, lead, suspended solids, and turbidity were delisted as a result of the TMDL studies. Because the modification request is for the intermittent discharge of non-contact stormwater, the remaining suspected causes for impairment (nitrogen and organic enrichment/low DO) which were not delisted have been eliminated in the formulation of effluent limitations for outfall 003 of the modified permit.

**VII. ENDANGERED SPECIES:**

The receiving waterbody, Subsegment 050601 of the Mermentau River Basin, is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U. S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated September 12, 2003 from Watson (FWS) to Levy (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

VIII. **HISTORIC SITES:**

The discharge is from an existing facility location, which does not include an expansion beyond the existing perimeter. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the 'Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits' no consultation with the Louisiana State Historic Preservation Officer is required.

IX. **PUBLIC NOTICE:**

Upon publication of the public notice in the Department of Environmental Quality Public Notice Mailing List and a local newspaper of general circulation, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit to the LDEQ contact person, listed below, and may request a public hearing to clarify issues involved in the permit decision. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

For additional information, contact:

Ms. Angela Marse  
Permits Division  
Department of Environmental Quality  
Office of Environmental Services  
P. O. Box 4313  
Baton Rouge, Louisiana 70821-4313

X. **PROPOSED PERMIT LIMITS:**

**Final Effluent Limits:**

**OUTFALL 003**

Effluent limitations and monitoring requirements for outfall 003 are the same as those at outfall 002 and 004. These outfalls are designated for the discharge of non-contact stormwater only.

Final limits shall become effective on the effective date of the permit modification and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg.	Daily Max.	Basis
TOC	---	50 mg/l	MultiSector General Permit -- Sector L and previously issued water discharge permits for similar facilities/effluents.
Oil & grease	---	15 mg/l	MultiSector General Permit -- Sector L and previously issued water discharge permits for similar facilities/effluents.
Total Recoverable Iron	---	Report mg/l	MultiSector General Permit -- Sector L and previously issued water discharge permits for similar facilities/effluents.

**Other Effluent Limitations for outfalls 003:**

**1) pH**

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.)

**2) Solids and Foam**

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

**XI. TENTATIVE DETERMINATION**

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit modification for the discharge described in this Fact Sheet.

**XII REFERENCES:**

Louisiana Water Quality Management Plan, Vol. 5-B, "Water Quality Inventory", Louisiana Department of Environmental Quality, 1998.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Chapter 11 - "Louisiana Surface Water Quality Standards", Louisiana Department of Environmental Quality, 2004.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Subpart 2 - "The LPDES Program", Louisiana Department of Environmental Quality, 2004.

LPDES Application for Modification to LPDES Permit No. LA0076660, Jefferson Davis Parish Sanitary Landfill Commission, February 8, 2006.

LPDES Permit LA0076660, Jefferson Davis Parish Sanitary Landfill, effective June 1, 2005.